

DV/DVF Series-Male x Barb and Male x Male

Features

DV SERIES-Male x Barb and Male x Male

- Double-filtered pilot-flow design for maximum reliability
- Balanced-pressure diaphragm for long life
- External bleed to manually flush system of dirt and debris during installation and system start up
- Internal bleed for spray-free manual operation
- Energy efficient, low-power encapsulated solenoid with captured plunger and 90-mesh (200 micron) solenoid filter
- Buna-N diaphragm with self-cleaning 90-mesh (200 micron) pilot water filter and captive spring
- Operates in low-flow and Xerigation® applications when the RBY filter is installed upstream
- 1 1/4" (3,2 cm) stainless steel phillips head screws
- Accepts DC latching solenoid for use with Rain Bird battery-operated controllers
- *Male x Barb*: Male thread inlet by barb outlet for quick and easy installation with poly pipe
- *Male x Male*: Male threads for quick and easy manifolding

DVF SERIES-Male x Barb and Male x Male

- Incorporates all features of DV Series valves, plus:
- Unique, easy-to-turn pressure-assisted flow control mechanism

Operating Range

- Flow: 1" (26/34) inlet and outlet
0.2 to 40 GPM (0,05 to 9,1 m³/h; 0,1 to 2,52 l/s); for flows below 3 GPM (0,75 m³/h; 0,21 l/s) or any Xerigation application, use RBY-100-200MX filter installed upstream
- Pressure: 15 to 150 PSI (1 to 10 bars)
- Ambient air temperature — up to 125°F (52°C)

Electrical Specifications

- 24 VAC 50/60 cycle solenoid power requirement
- 0.30 A (7.2 VA) inrush current
- 0.19 A (4.56 VA) holding current

Dimensions

DV SERIES-Male x Barb and Male x Male

- Height: 4 1/2" (11,4 cm)
- Length (MB): 5 3/4" (14,6 cm)
- Length (MM): 5 3/8" (13,6 cm)
- Width: 3 1/2" (8,4 cm)

DVF SERIES-Male x Barb and Male x Male

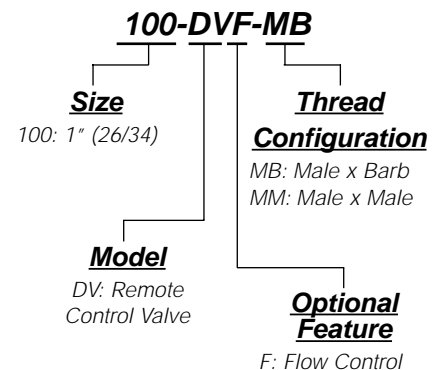
- Height: 5 3/8" (14,2 cm)
- Length (MB): 5 3/4" (14,6 cm)
- Length (MM): 5 3/8" (13,6 cm)
- Width: 3 1/2" (8,4 cm)

Models

- 100-DV-MB: 1" (26/34)
- 100-DVF-MB: 1" (26/34)
- 100-DV-MM: 1" (26/34)
- 100-DVF-MM: 1" (26/34)



How to Specify/Order:





Specifications

100-DV-MB/100-DV-MM

ELECTRIC REMOTE CONTROL MALE X BARB AND MALE X MALE

The valve shall be normally closed 24 VAC 50/60 cycle solenoid actuated, balanced pressure type capable of a flow rate of _____ GPM or (l/s; m³/h) with a pressure loss not to exceed _____ PSI or (Bars). The valve pressure rating shall not be less than 150 PSI. The valve body and bonnet shall be constructed of high impact weather resistant plastic, stainless steel and other chemical/UV resistant materials. The valve shall have a one unit diaphragm constructed of durable Buna-N rubber material with a clog resistant metering orifice. The valve shall have one 90-mesh (200 micron) pilot filter attached to the diaphragm. The valve shall have one fully encapsulated solenoid with captured plunger. The valve shall have one 90-mesh (200 micron) filter attached to the solenoid base.

Male x Barb:

The valve body shall have a 1" (26/34) (MNPT) inlet and 1" barb outlet configuration.

Male x Male:

The valve body shall have a 1" (26/34) (MNPT) inlet and outlet configuration.

The valve shall be actuated by a low power 0.30 A (7.2 VA) inrush current and 0.19 A (4.56 VA) holding current. The valve shall be capable of on/off control by turning the solenoid ¼ turn. The valve shall provide a flush mode that is manually activated by ½ turn of the bleed screw where external porting is permissible.

The valve shall be as such to provide for all internal parts to be removable from the top of the valve without disturbing the valve installation.

The remote control valve shall be as manufactured by Rain Bird Sprinkler Mfg. Corp., Glendora, California.

100-DVF-MB/100-DVF-MM

ELECTRIC REMOTE CONTROL VALVE WITH FLOW CONTROL- MALE X BARB AND MALE X MALE

Optional Feature Specifications

When so indicated on the design, the DVF male x barb and male x male valve shall have all the specifications of the DV Series remote control valve plus a unique, easy-to-turn pressure-assisted flow control mechanism.

The remote control valve with flow control shall be as manufactured by Rain Bird Sprinkler Mfg. Corp., Glendora, California.

DV/DVF Series-MB Valve

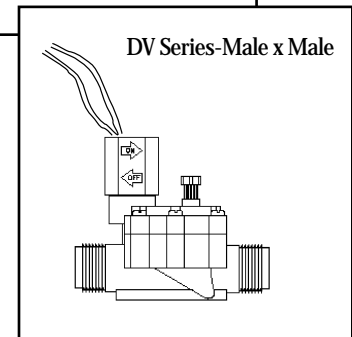
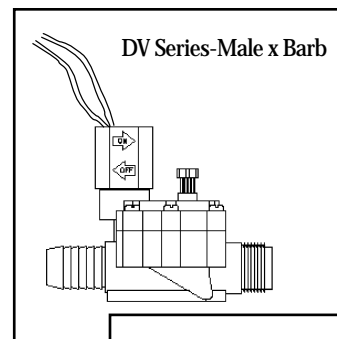
Valve Pressure Loss (PSI)		Valve Pressure Loss (Bars)		
Flow	1" 100-DV/100DVF	Flow	100-DV/100DVF	1" 100-DV/100DVF
(GPM)	(PSI)	(m ³ /h)	l/s	(Bars)
1	2.2	0,25	0,06	0,15
3	2.2	0,75	0,21	0,15
5	2.4	1,0	0,28	0,17
10	2.7	2,0	0,56	0,19
20	5.2	5,0	1,39	0,36
30	10.5	7,5	2,08	0,72
40	18.5	9,1	2,52	1,27

Note: 1) Rain Bird® recommends flow rates in supply line not to exceed 5 ft/sec (1.5 m/s) in order to reduce the effects of water hammer.

DV/DVF Series-MM Valve

Valve Pressure Loss (PSI)		Valve Pressure Loss (Bars)		
Flow	1" 100-DV/100DVF	Flow	100-DV/100DVF	1" 100-DV/100DVF
(GPM)	(PSI)	(m ³ /h)	l/s	(Bars)
1	2.2	0,25	0,06	0,15
3	2.2	0,75	0,21	0,15
5	2.4	1,0	0,28	0,17
10	2.7	2,0	0,56	0,19
20	4.6	5,0	1,39	0,32
30	8.2	7,5	2,08	0,57
40	14.1	9,1	2,52	0,97

Note: 1) Rain Bird® recommends flow rates in supply line not to exceed 5 ft/sec (1.5 m/s) in order to reduce the effects of water hammer.



Rain Bird Sales, Inc.

970 West Sierra Madre Avenue, Azusa, CA 91702
Phone: (626) 963-9311 Fax: (626) 812-3411, (626) 812-3608

Rain Bird Sales, Inc.

6640 South Bonney Ave., Tucson, AZ 85706
Phone: (520) 434-6200 Fax: (520) 434-6246

Rain Bird International, Inc.

145 North Grand Avenue, Glendora, CA 91740
Phone: (626) 852-7100 Fax: (626) 963-4287

Rain Bird Technical Services

(800) 247-3782 (U.S. only)

Specification Hotline

800-458-3005 (U.S. only)

www.rainbird.com

Rain Bird BBS: (520) 741-6153

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